9. Schematic Diagrams

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9-16 JACK - 9-17

9-17 REAR - 9-18

9-18 LEFT - 9-19

9-19 Memory Stick 1 - 9-20

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Note

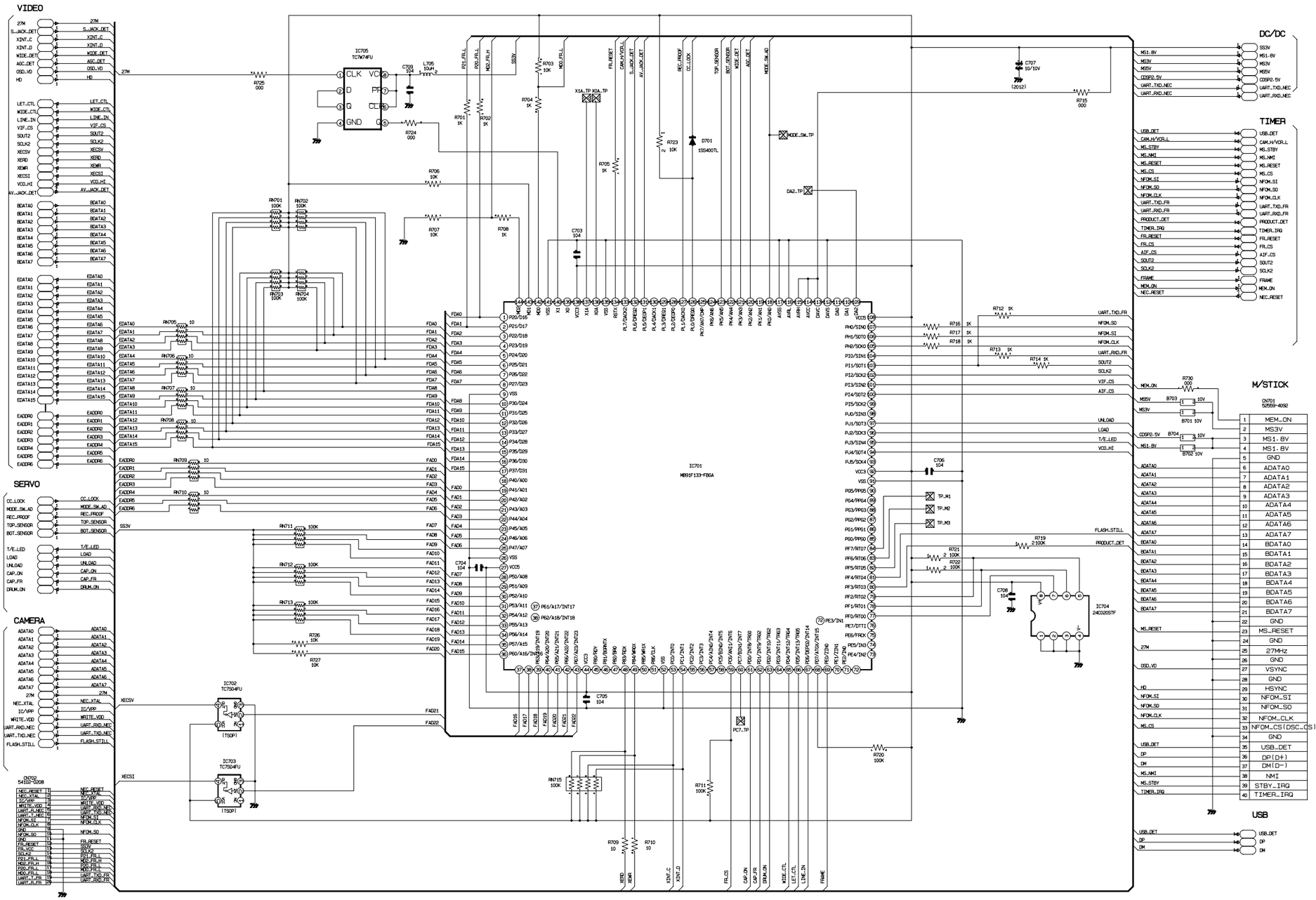
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the “electrostatically sensitive (ES) devices” section of this service manual.

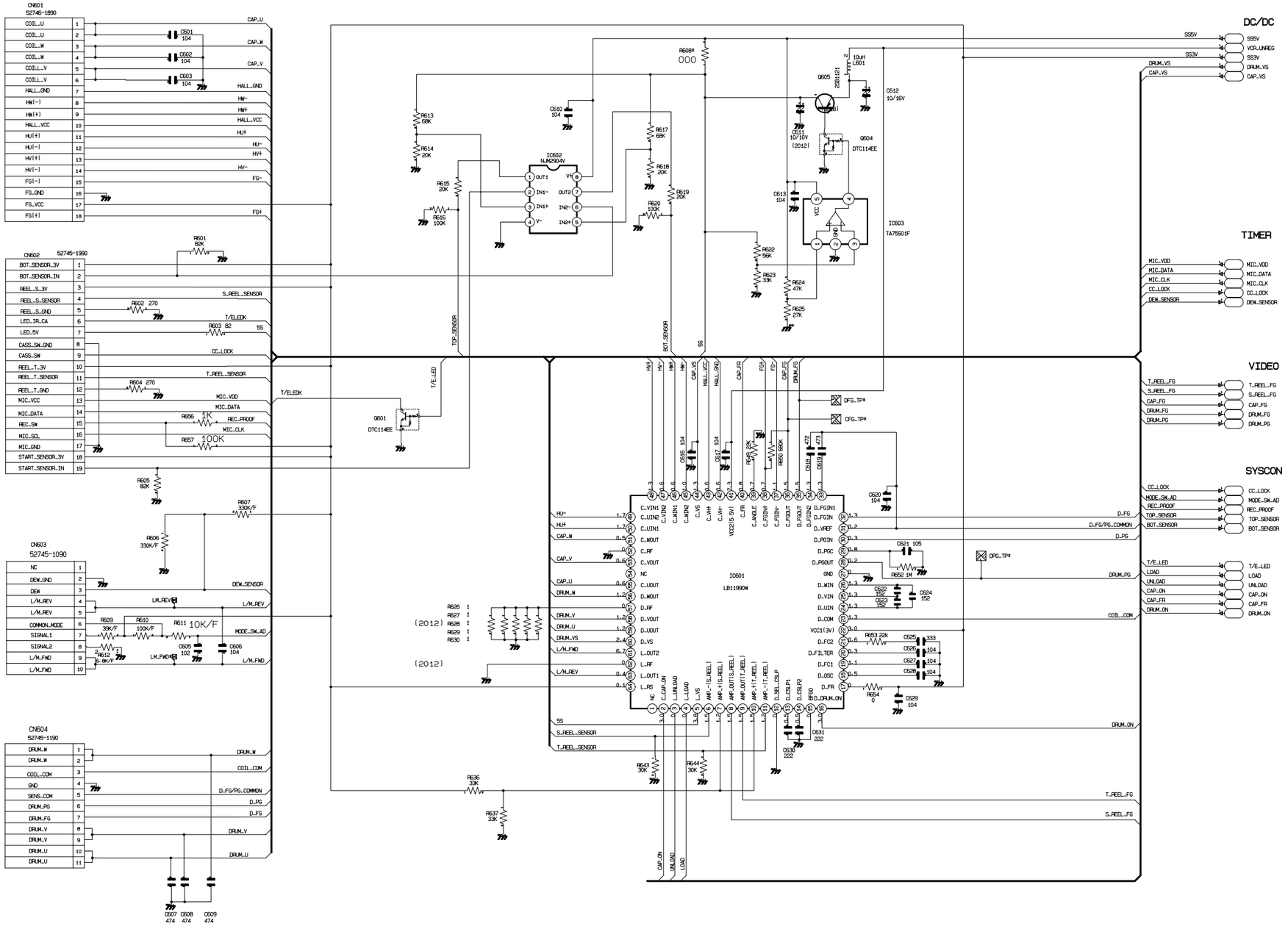
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

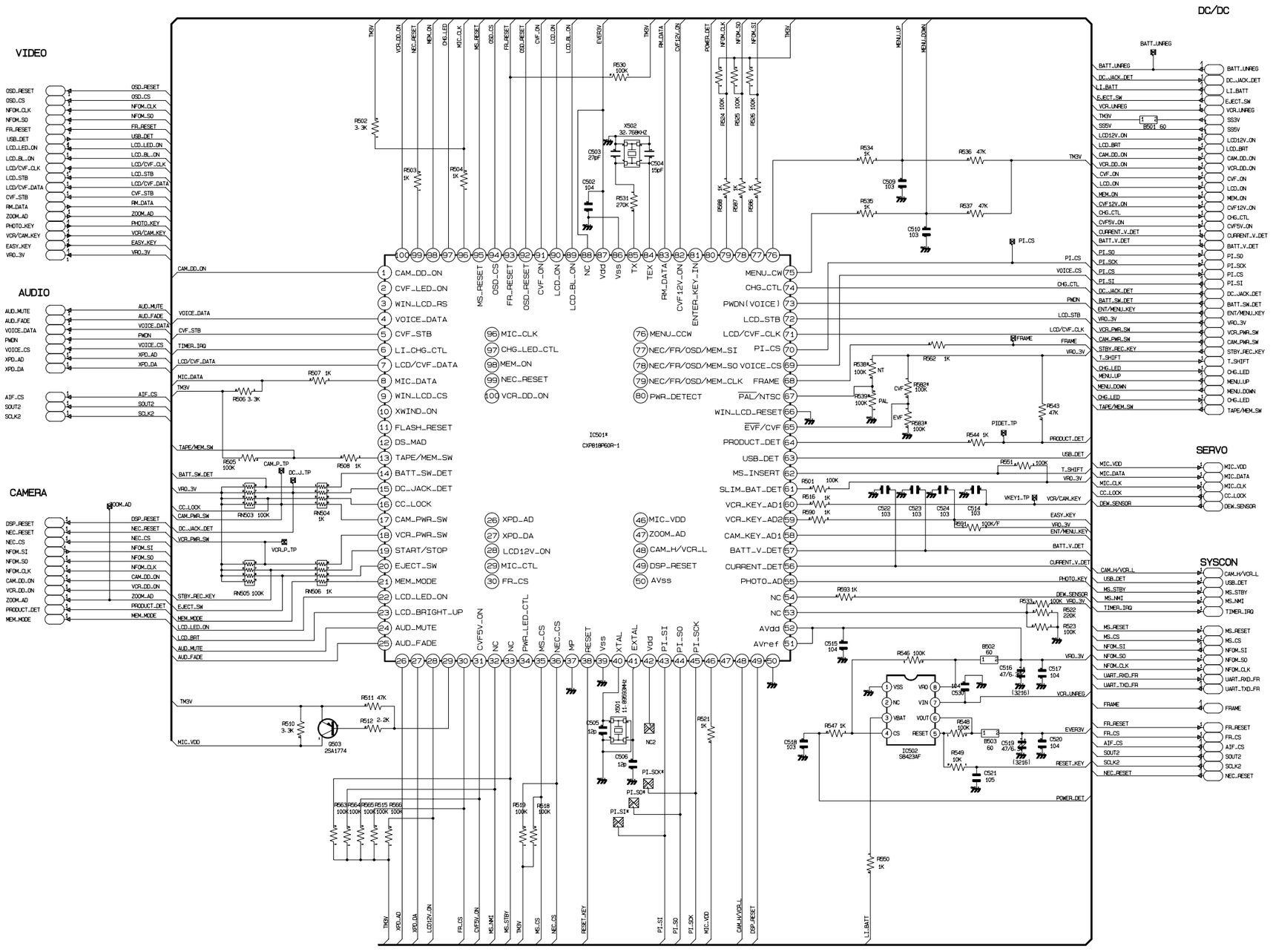
9-1 System Control



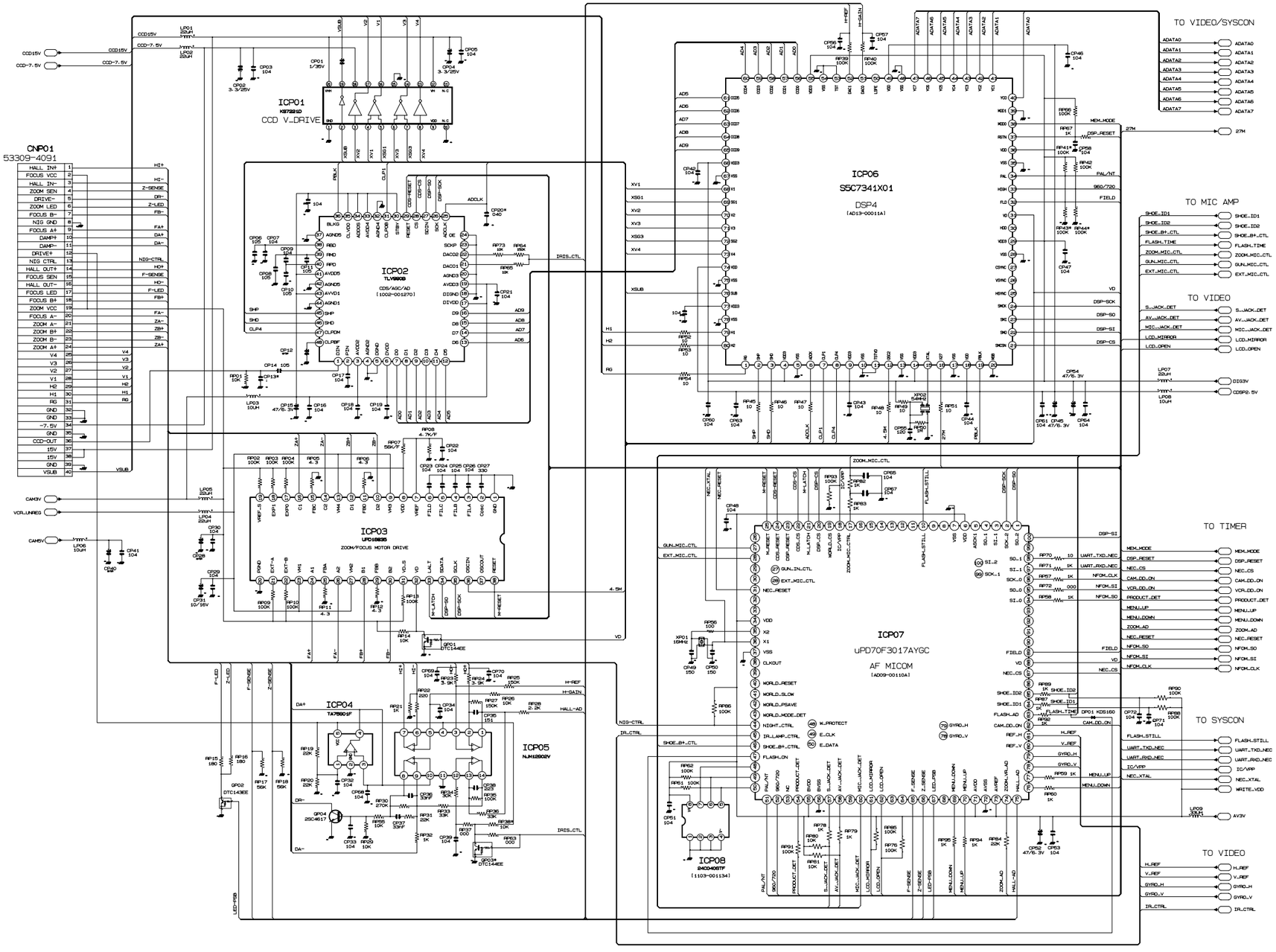
9-2 Servo


CN601
52745-1890
COIL_U
COIL_U
COIL_W
COIL_W
COIL_V
COIL_V
HALL_GND
Hw(-)
Hw(+)
HALL_VCC
HU(+)
HU(-)
HV(+)
HV(-)
FG(-)
FG_GND
FG_VCC
FG(+)
CAP_U
CAP_W
CAP_V
C601 104
C602 104
C603 104
CN602
52745-1990
BOT_SENSOR_3V
BOT_SENSOR_IN
REEL_S_3V
REEL_S_SENSOR
REEL_S_GND
LED_TR_CA
LED_5V
CASS_SW_GND
CASS_SW
REEL_T_3V
REEL_T_SENSOR
REEL_T_GND
MIC_VCC
MIC_DATA
REC_SW
MIC_SCL
MIC_GND
START_SENSOR_3V
START_SENSOR_IN
R601 82K
R602 270
R603 82
R604 270
R605 82K
R606 330K/F
R607 330K/F
S_REEL_SENSOR
T/ELEDK
5S
CC_LOCK
T_REEL_SENSOR
MIC_VDD
MIC_DATA
REC_PROOF
MIC_CLK
R656 1K
R657 100K
CN603
52745-1090
NC
DEW_GND
DEW
L/M_REV
L/M_REV
COMMON_MODE
SIGNAL1
SIGNAL2
L/M_FWD
L/M_FWD
R609 39K/F
R610 100K/F
R611 10K/F
R612 16.9K/F
C605 102
C606 104
DEW_SENSOR
L/M_REV
MODE_SW_AD
L/M_FWD
CN604
52745-1190
DRUM_W
DRUM_W
COIL_COM
GND
SENS_COM
DRUM_PG
DRUM_FG
DRUM_V
DRUM_V
DRUM_U
DRUM_U
C607 474
C608 474
C609 474
R608* 000
C610 104
R613 68K
R614 20K
R615 20K
R616 100K
IC602
NJM2904V
R617 68K
R618 20K
R619 20K
R620 100K
C611 10/10V (2012)
Q604 DTC114EE
Q605 2SB1121
L601 10uH
C612 10/16V
C613 104
IC603 TA75S01F
R622 56K
R623 33K
R624 47K
R625 27K
TOP_SENSOR
BOT_SENSOR
T/E_LED
Q601 DTC114EE
R626 1
R627 1
R628 1
R629 1
R630 1
(2012)
(2012)
R635 33K
R637 33K
R643 30K
R644 30K
IC601
LB11990N
C_VIN1
C_VIN2
C_UIN1
C_WOUT
C_RF
C_VOUT
C_UOUT
D_WOUT
D_RF
D_VOUT
D_UOUT
D_VS
L_OUT2
L_RF
L_OUT1
L_RS
C_CAP_DLY
C_UNLOAD
C_LOAD
C_VS
AMP-IN(S_REEL)
AMP-OUT(S_REEL)
AMP-IN(T_REEL)
AMP-OUT(T_REEL)
D_SEL_CSLP
D_CSLP1
D_CSLP2
D_DRUM_ON
D_FGIN1
D_FGIN
D_VREF
D_PGIN
D_PGC
D_PGOUT
GND
D_WIN
D_VIN
D_UIN
D_COM
VCC1(3V)
D_FC2
D_FILTER
D_FC1
D_OSC
D_FR
C_HALL_GND
C_HALL_VCC
C_ANGLE
C_FGIN-
C_FGOUT
C_FGIN+
C_FR
C_HW
C_HV
C_HU
VCC2(5.5V)
R650 68K
R651 22K
R652 1M
R653 22K
R654 0
C516 104
C517 104
C518 472
C519 472
C520 104
C521 105
C522 152
C523 152
C524 152
C525 333
C526 104
C527 104
C528 104
C529 104
C630 222
C631 222
DFG_TP*
CFG_TP*
DPG_TP*
DRUM_ON
T_REEL_FG
S_REEL_FG
CAP_ON
UNLOAD
LOAD
DC/DC
S5V
S3V
DRUM_VS
CAP_VS
VCR_UNREG
TIMER
MIC_VDD
MIC_DATA
MIC_CLK
CC_LOCK
DEW_SENSOR
VIDEO
T_REEL_FG
S_REEL_FG
CAP_FG
DRUM_FG
DRUM_PG
SYSCON
CC_LOCK
MODE_SW_AD
REC_PROOF
TOP_SENSOR
BOT_SENSOR
T/E_LED
LOAD
UNLOAD
CAP_ON
CAP_FR
DRUM_ON
D_FG
D_FG/PG_COMMON
D_PG
COIL_COM

9-3 Timer


VIDEO
AUDIO
CAMERA
DC/DC
SERVO
SYSCON
IC501*
CXP81840R-1
IC502
S8423AF
Q503
2SA1774
X501
13.856394Hz
X502
32.768KHz
BATT_UNREG
DC_JACK_DET
LI_BATT
EJECT_SW
VCR_UNREG
5S3V
5S5V
LCD12V_ON
LCD_BRT
CAM_DD_ON
VCR_DD_ON
CVF_ON
LCD_ON
MEM_ON
CVF12V_ON
CHG_CTL
CVF5V_ON
CURRENT_V_DET
BATT_V_DET
PI_SO
PI_SCK
PI_CS
PI_SI
DC_JACK_DET
BATT_SW_DET
ENT/MENU_KEY
VRO_3V
VCR_PWR_SW
CAM_PWR_SW
STBY_REC_KEY
T_SHIFT
CHG_LED
MENU_UP
MENU_DOWN
CHG_LED
TAPE/MEM_SW
MIC_VDD
MIC_DATA
MIC_CLK
CC_LOCK
DEW_SENSOR
CAM_H/VCR_L
USB_DET
MS_STBY
MS_NMI
TIMER_IRQ
MS_RESET
MS_CS
NFOM_SI
NFOM_SO
NFOM_CLK
UART_RXD_FR
UART_TXD_FR
FRAME
FR_RESET
FR_CS
AIF_CS
SOUT2
SCLK2
NEC_RESET
OSD_RESET
OSD_CS
NFOM_CLK
NFOM_SO
FR_RESET
USB_DET
LCD_LED_ON
LCD_BL_ON
LCD/CVF_CLK
LCD_STB
LCD/CVF_DATA
CVF_STB
RM_DATA
ZOOM_AD
PHOTO_KEY
VCR/CAM_KEY
EASY_KEY
VRO_3V
AUD_MUTE
AUD_FADE
VOICE_DATA
PWDN
VOICE_CS
XPD_AD
XPD_DA
AIF_CS
SOUT2
SCLK2
CAM_DD_ON
TIMER_IRQ
LCD/CVF_DATA
MIC_DATA
TAPE/MEM_SW
BATT_SW_DET
CC_LOCK
CAM_PWR_SW
VCR_PWR_SW
START/STOP
EJECT_SW
MEM_MODE
LCD_LED_ON
LCD_BRIGHT_UP
AUD_MUTE
AUD_FADE
DSP_RESET
NEC_RESET
NEC_CS
NFOM_SI
NFOM_SO
NFOM_CLK
CAM_DD_ON
VCR_DD_ON
ZOOM_AD
PRODUCT_DET
MEM_MODE
CAM_P_TP
DC_J_TP
VCR_P_TP
PIDET_TP
WKEY1_TP
MENU_CW
CHG_CTL
PWDN(VOICE)
LCD_STB
LCD/CVF_CLK
PI_CS
NEC/FR/OSD/MEM_SI
NEC/FR/OSD/MEM_SO
VOICE_CS
NEC/FR/OSD/MEM_CLK
FRAME
PAL/NTSC
WIN_LCD_RESET
EVF/CVF
PRODUCT_DET
USB_DET
MS_INSERT
SLIM_BAT_DET
VCR_KEY_AD1
VCR_KEY_AD2
CAM_KEY_AD1
BATT_V_DET
CURRENT_DET
PHOTO_AD
NC
AVdd
AVref
ENTER_KEY_IN
MIC_CLK
CHG_LED_CTL
MEM_ON
NEC_RESET
VCR_DD_ON
XPD_AD
XPD_DA
LCD12V_ON
MIC_CTL
FR_CS
MIC_VDD
ZOOM_AD
CAM_H/VCR_L
DSP_RESET
AVss
R530 100K
R502 3.3K
R503 1K
R504 1K
R524 100K
R525 100K
R526 100K
R534 1K
R536 47K
R535 1K
R537 47K
R562 1K
R538* 100K
R539* 100K
R682* 100K
R683* 100K
R543 47K
R544 1K
R551 100K
R501 100K
R516 1K
R590 1K
R591 100K/F
R593 1K
R533 100K
R522 220K
R523 100K
R546 100K
R547 1K
R548 100K
R549 10K
R550 1K
R507 1K
R506 3.3K
R505 100K
R508 1K
RN503 100K
RN504 1K
RN505 100K
RN506 1K
R511 47K
R512 2.2K
R510 3.3K
R521 1K
R563 100K
R564 100K
R565 100K
R515 100K
R566 100K
R519 100K
R518 100K
C502 104
C503 27pF
C504 15pF
C505 12p
C506 12p
C509 103
C510 103
C515 104
C516 47/6.3
C517 104
C518 103
C519 47/6.3
C520 104
C521 105
C522 103
C523 103
C524 103
C514 103
C530 104
B501 60
B502 60
B503 60
R588 1K
R587 1K
R586 1K
CVF 100K
PAL
EVF
NT
FRAME
PI_SCK*
PI_SO*
PI_SI*
TMSV
VRO_3V
LI_BATT

9-4 Camera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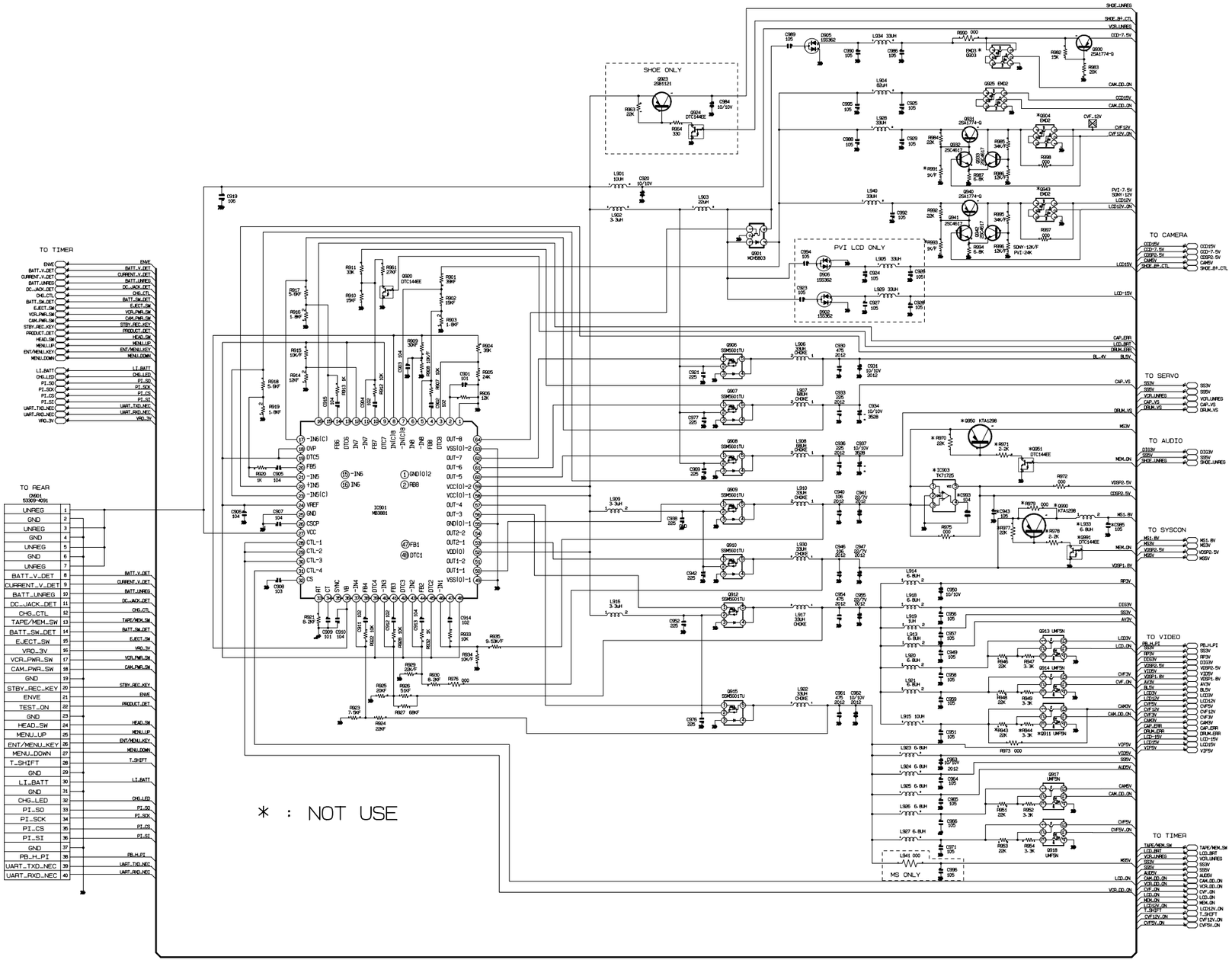
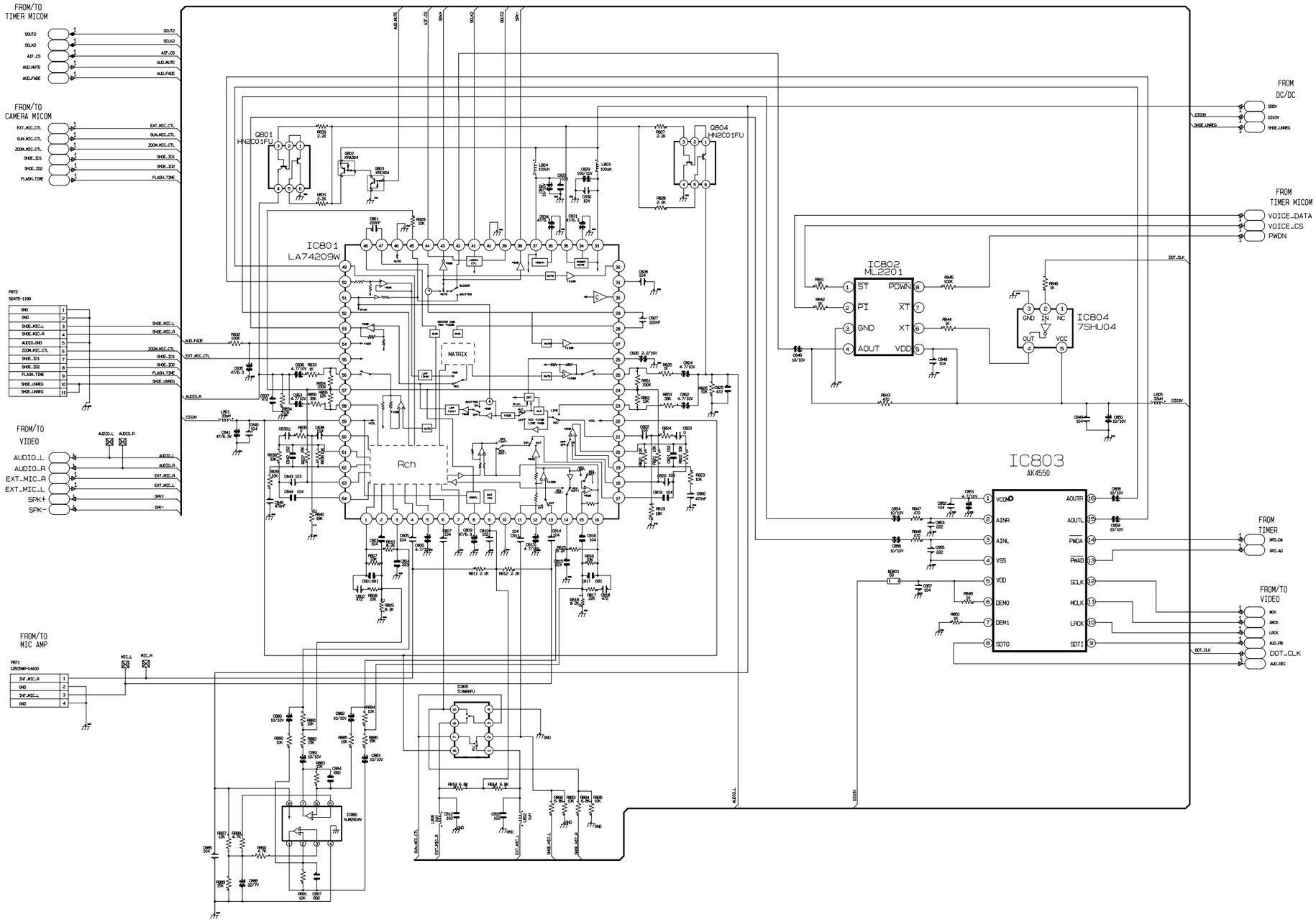
53309-4091
ICP01
KS7221D
CCD V_DRIVE
ICP02
TLV9903
CDS/AGC/AD
[1002-001270]
ICP03
UPD16835
ZOOM/FOCUS MOTOR DRIVE
ICP04
TA7590F
ICP05
NJM12902V
ICP06
S5C7341X01
DSP4
[AD13-00011A]
ICP07
uPD70F3017AYGC
AF MICOM
[AD09-00110A]
ICP08
24C04BTF
[1103-001134]
TO VIDEO/SYSCON
TO MIC AMP
TO VIDEO
TO SYSCON
TO TIMER
TO VIDEO

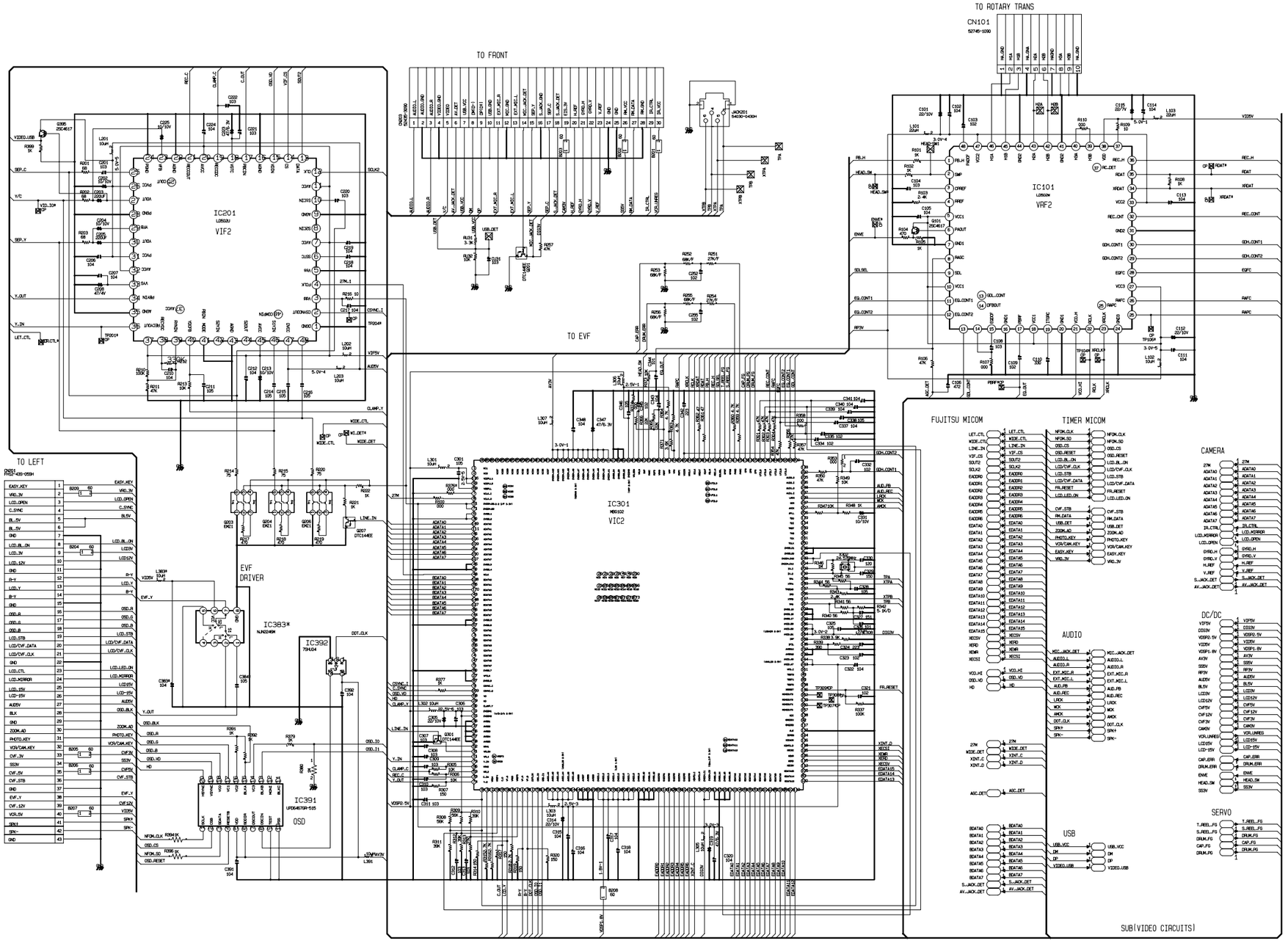
9-5 DC/DC Converter



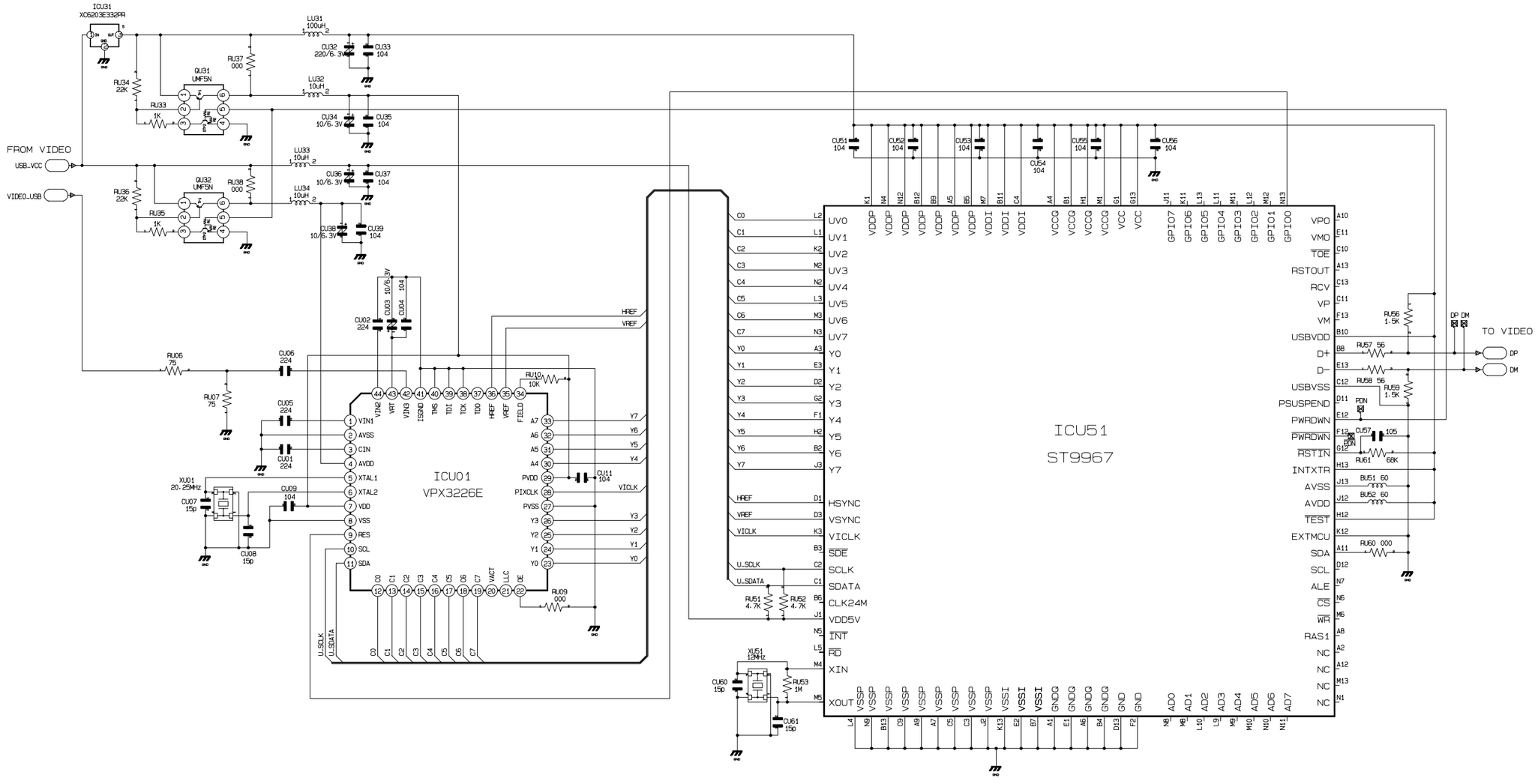
9-6 Audio


FROM/TO
TIMER MICOM
SOUT2
SCLK2
ASF_CS
AUD_MUTE
AUD_FADE
FROM/TO
CAMERA MICOM
EXT_MIC_CTL
GUN_MIC_CTL
ZOOM_MIC_CTL
SHOE_ID1
SHOE_ID2
FLASH_TIME
FROM/TO
VIDEO
AUDIO_L
AUDIO_R
EXT_MIC_R
EXT_MIC_L
SPK+
SPK-
FROM/TO
MIC AMP
INT_MIC_R
INT_MIC_L
GND
Q801
HN2C01FU
Q804
HN2C01FU
IC801
LA74209W
MATRIX
Rch
IC805
TC4052BFU
IC880
NJM2904V
IC802
ML2201
ST
PI
GND
AOUT
PDWN
XT
XT
VDD
IC804
7SHU04
GND
IN
NC
OUT
VCC
IC803
AK4550
VCOM
AINR
AINL
VSS
VDD
DEMO
DEM1
SDTO
AOUTR
AOUTL
PWDA
PWAD
SCLK
MCLK
LRCK
SDTI
FROM
DC/DC
S5SV
D3SV
SHOE_UNREG
FROM
TIMER MICOM
VOICE_DATA
VOICE_CS
PWDN
FROM
TIMER
XFD_DA
XFD_AD
FROM/TO
VIDEO
MCK
AMCK
LRCK
AUD_FB
DOT_CLK
AUD_REC
DOT_CLK
AUDIO_L
D3SV

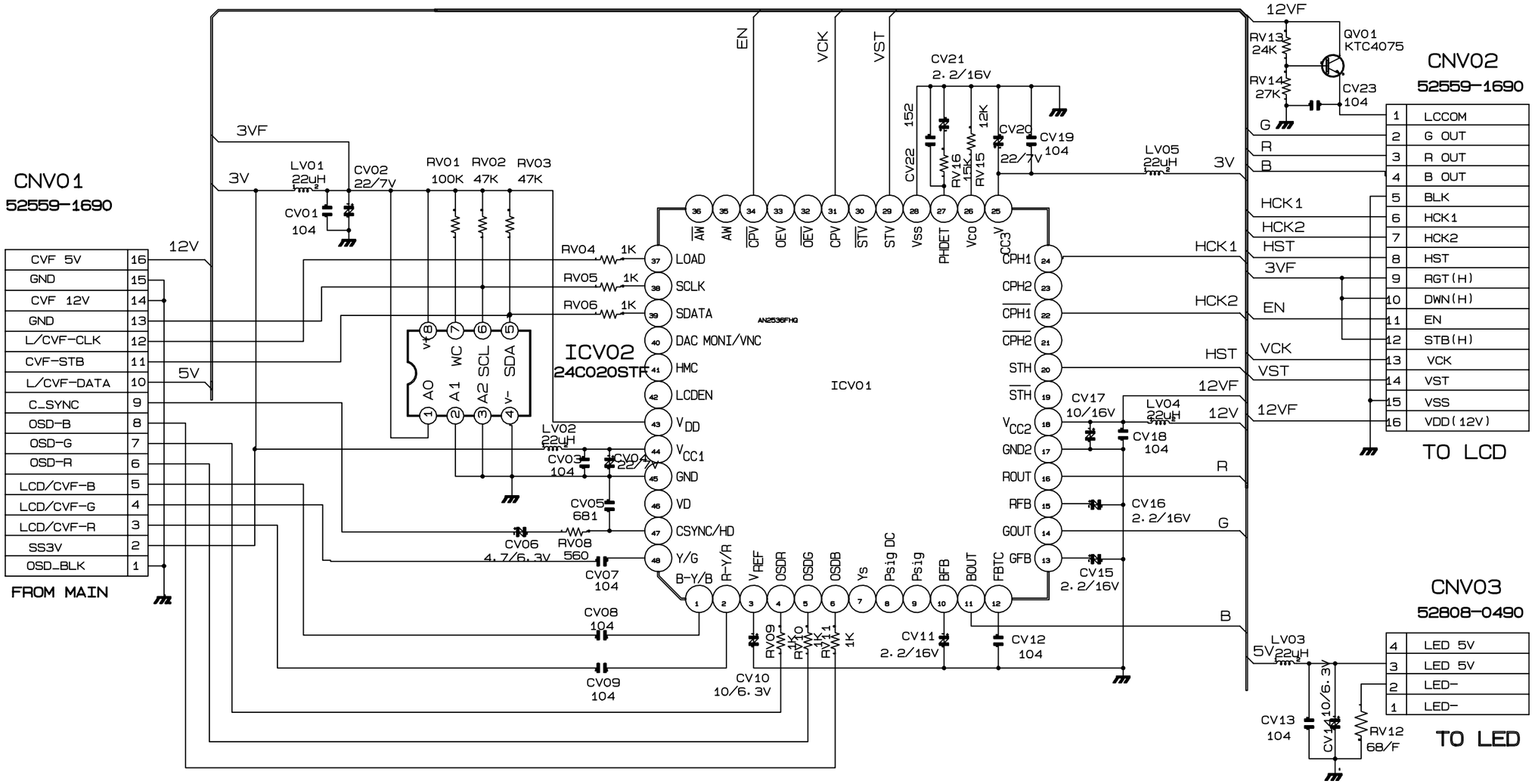
9-7 Video


TO ROTARY TRANS
CN101
TO FRONT
TO EVF
TO LEFT
IC201
VIF2
IC101
VRF2
IC301
VIC2
IC383*
IC392
IC391
OSD
EVF DRIVER
FUJITSU MICOM
TIMER MICOM
CAMERA
AUDIO
USB
DC/DC
SERVO
SUB(VIDEO CIRCUITS)

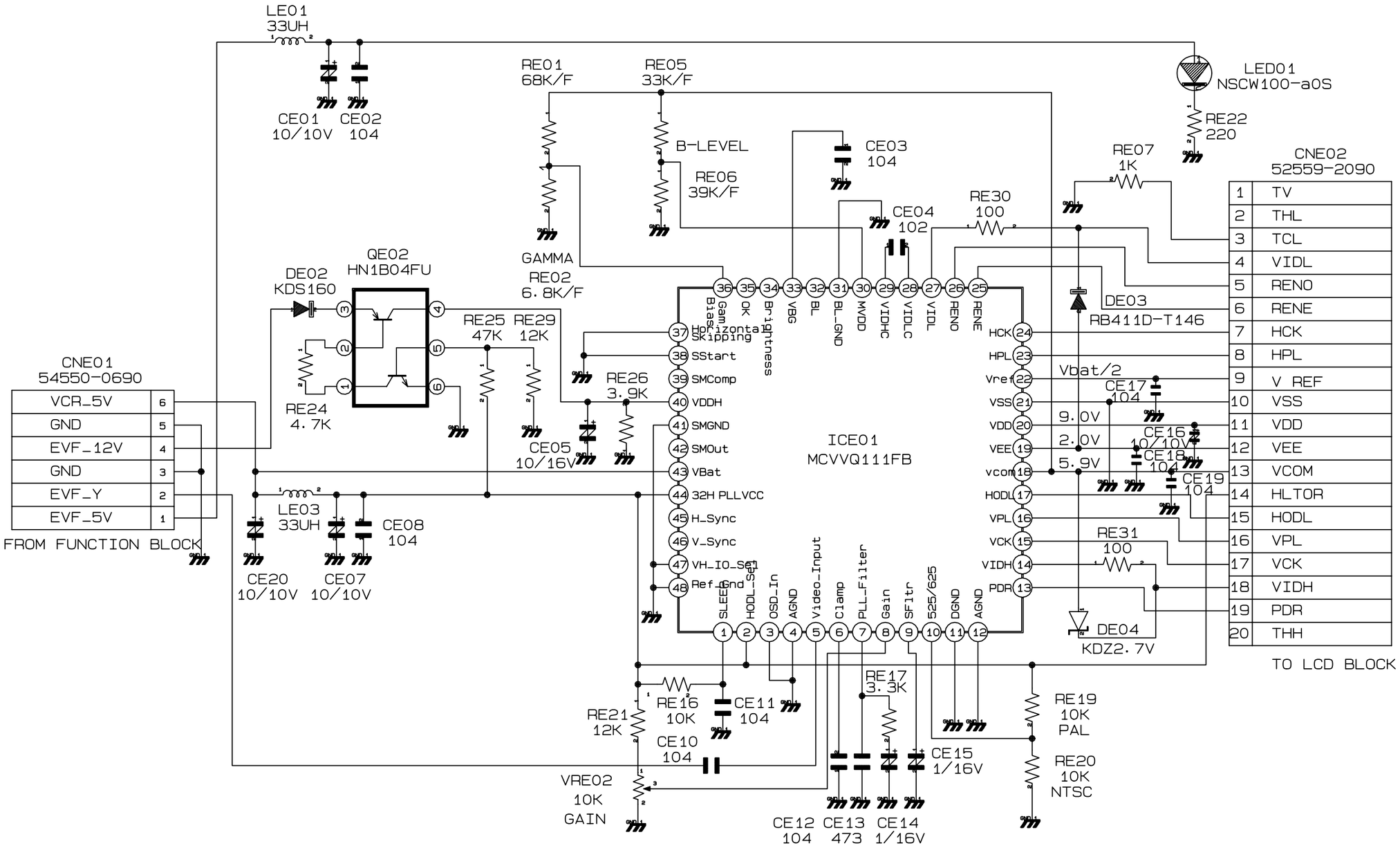
9-8 USB


ICU01
VPX3226E
ICU51
ST9967
FROM VIDEO
USB_VCC
VIDEO_USB
TO VIDEO
DP
DM
XU01
20.25MHz
XU51
12MHz
HREF
VREF
VICLK
U_SCLK
U_SDATA
HSYNC
VSYNC
SCLK
SDATA
CLK24M
VDD5V
XIN
XOUT
RSTOUT
RCV
VP
VM
USBVDD
D+
D-
USBVSS
PSUSPEND
PWRDWN
RSTIN
INTXTR
AVSS
AVDD
TEST
EXTMCU
SDA
SCL
ALE
CS
WR
RAS1
NC
VPO
VMO
TOE
GPIO0
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
VDDP
VDDI
VCCQ
VCC
VSS
VSSI
GNDQ
GND
AD0
AD1
AD2
AD3
AD4
AD5
AD6
AD7

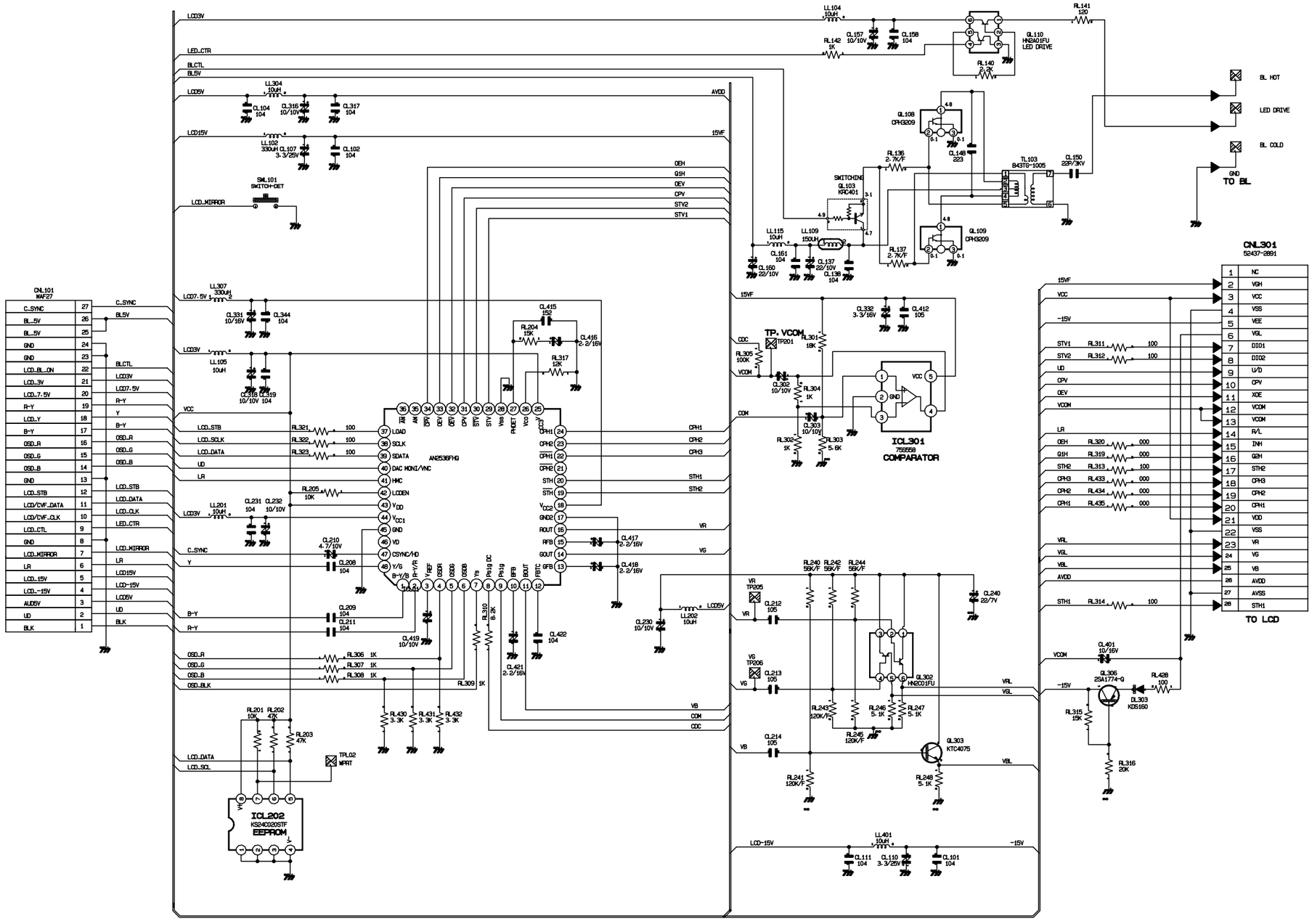
9-9 CVF


CNV01
52559-1690
CVF 5V 16
GND 15
CVF 12V 14
GND 13
L/CVF-CLK 12
CVF-STB 11
L/CVF-DATA 10
C_SYNC 9
OSD-B 8
OSD-G 7
OSD-R 6
LCD/CVF-B 5
LCD/CVF-G 4
LCD/CVF-R 3
SS3V 2
OSD_BLK 1
FROM MAIN
12V
5V
3VF
3V
LV01 22uH
CV02 22/7V
CV01 104
RV01 100K
RV02 47K
RV03 47K
RV04 1K
RV05 1K
RV06 1K
ICV02
24C020STF
A0 A1 A2 SCL SDA
WC
ICV01
AN2536FHQ
LOAD
SCLK
SDATA
DAC MONI/VNC
HMC
LCDEN
VDD
VCC1
GND
VD
CSYNC/HD
Y/G
B-Y/B
R-Y/R
VREF
OSDR
OSDG
OSDB
Ys
Psig DC
Psig
BFB
BOUT
FBTC
LV02 22uH
CV03 104
CV04 22/7V
CV05 681
CV06 4.7/6.3V
RV08 560
CV07 104
CV08 104
CV09 104
CV10 10/6.3V
RV09 1K
RV10 1K
RV11 1K
CV11 2.2/16V
CV12 104
EN
VCK
VST
CV21 2.2/16V
CV22 152
RV16 15K
RV15 12K
CV20
CV19 104 22/7V
LV05 22uH
3V
CPH1
CPH2
CPH1
CPH2
STH
STH
VCC2
GND2
ROUT
RFB
GOUT
GFB
CV17 10/16V
CV18 104
CV16 2.2/16V
CV15 2.2/16V
HCK1
HCK2
HST
3VF
EN
VCK
HST
VST
12VF
12V
R
G
B
12VF
RV13 24K
RV14 27K
QV01 KTC4075
CV23 104
G
R
B
CNV02
52559-1690
1 LCCOM
2 G OUT
3 R OUT
4 B OUT
5 BLK
6 HCK1
7 HCK2
8 HST
9 RGT(H)
10 DWN(H)
11 EN
12 STB(H)
13 VCK
14 VST
15 VSS
16 VDD(12V)
TO LCD
CNV03
52808-0490
LV03 5V 22uH
CV13 104
CV14 10/6.3V
RV12 68/F
4 LED 5V
3 LED 5V
2 LED-
1 LED-
TO LED

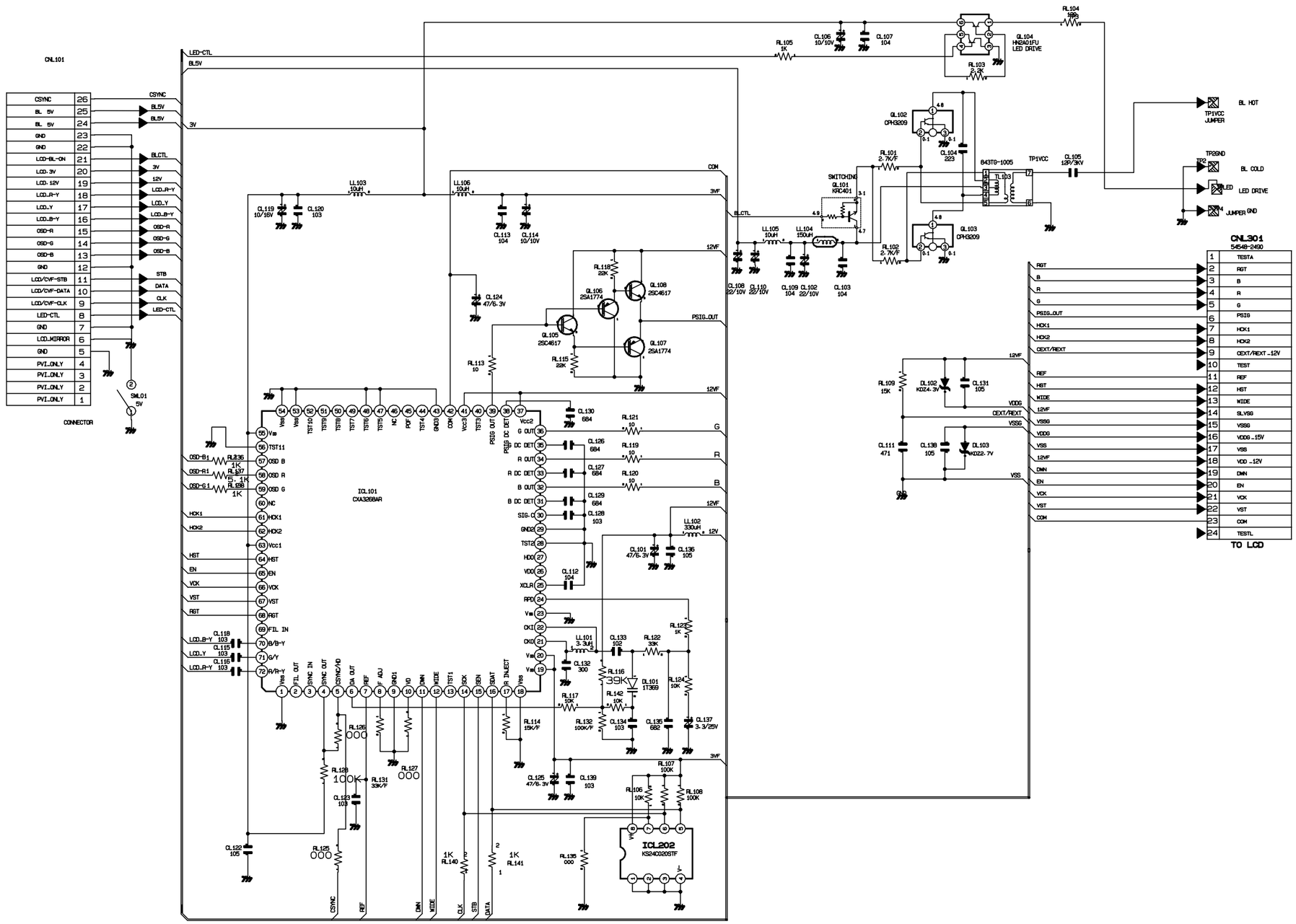
9-10 EVF


LE01
33UH
CE01
10/10V
CE02
104
RE01
68K/F
RE05
33K/F
B-LEVEL
RE06
39K/F
CE03
104
CE04
102
RE30
100
RE07
1K
LED01
NSCW100-a0S
RE22
220
CNE02
52559-2090
1 TV
2 THL
3 TCL
4 VIDL
5 RENO
6 RENE
7 HCK
8 HPL
9 V REF
10 VSS
11 VDD
12 VEE
13 VCOM
14 HLTOR
15 HODL
16 VPL
17 VCK
18 VIDH
19 PDR
20 THH
TO LCD BLOCK
GAMMA
RE02
6.8K/F
QE02
HN1B04FU
DE02
KDS160
RE25
47K
RE29
12K
RE24
4.7K
RE26
3.9K
CE05
10/16V
DE03
RB411D-T146
Vbat/2
CE17
104
9.0V
2.0V
5.9V
CE16
10/10V
CE18
104
CE19
104
RE31
100
DE04
KDZ2.7V
ICE01
MCVVQ111FB
36 Gam Bias
35 OK
34 Brightness
33 VBG
32 BL
31 BL_GND
30 MVDD
29 VIDHC
28 VIDLC
27 VIDL
26 RENO
25 RENE
37 Horizontal Skipping
38 SStart
39 SMComp
40 VDDH
41 SMGND
42 SMOut
43 VBat
44 32H PLLVCC
45 H_Sync
46 V_Sync
47 VH_IO_Sel
48 Ref_Gnd
HCK 24
HPL 23
Vref 22
VSS 21
VDD 20
VEE 19
vcom 18
HODL 17
VPL 16
VCK 15
VIDH 14
PDR 13
1 SLEEP
2 HODL_Sel
3 OSD_In
4 AGND
5 Video_Input
6 Clamp
7 PLL_Filter
8 Gain
9 SFitr
10 525/625
11 DGND
12 AGND
CNE01
54550-0690
VCR_5V 6
GND 5
EVF_12V 4
GND 3
EVF_Y 2
EVF_5V 1
FROM FUNCTION BLOCK
LE03
33UH
CE08
104
CE20
10/10V
CE07
10/10V
RE21
12K
RE16
10K
CE11
104
CE10
104
VRE02
10K
GAIN
RE17
3.3K
CE15
1/16V
CE12
104
CE13
473
CE14
1/16V
RE19
10K
PAL
RE20
10K
NTSC

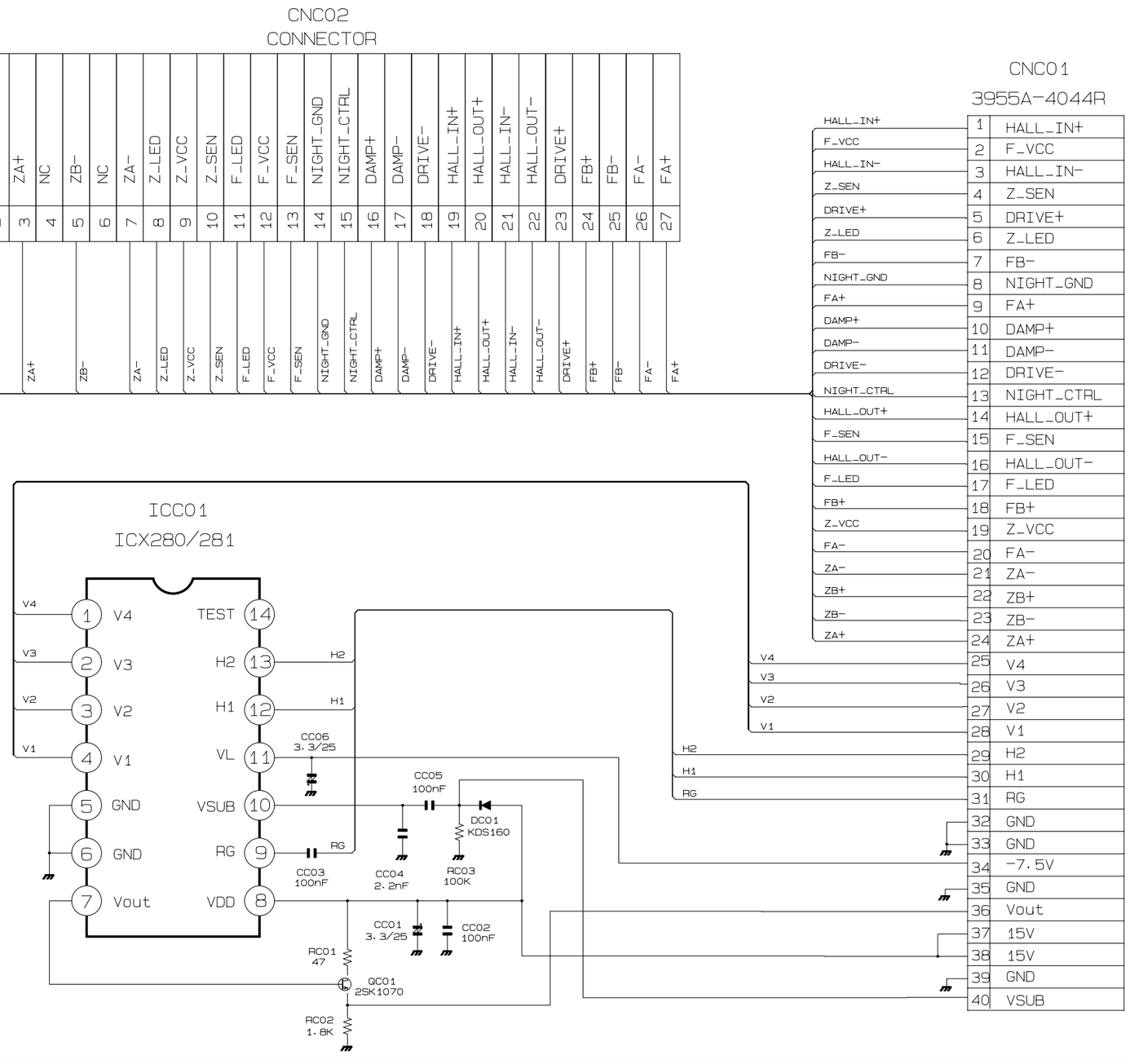
9-11 PVI LCD


CNL101
WAF27
C_SYNC
BL_5V
LCD_BL_ON
LCD_3V
LCD_7.5V
R-Y
Y
B-Y
OSD_R
OSD_G
OSD_B
GND
LCD_STB
LCD/CVF_DATA
LCD/CVF_CLK
LCD_CTL
LCD_MIRROR
LR
LCD_15V
LCD_-15V
AUD5V
UD
BLK
LCD3V
LED_CTR
BLCTL
BL5V
LCD5V
LCD7.5V
LCD15V
LCD-15V
AVDD
15VF
-15V
VCC
VGH
VEE
VGL
DIO1
DIO2
U/D
CPV
OEV
XOE
VCOM
R/L
INH
GEH
STH2
CPH3
CPH2
CPH1
VDD
VSS
VR
VG
VB
AVSS
STH1
TO LCD
CNL301
52437-2891
TO BL
BL HOT
LED DRIVE
BL COLD
GND
AN2536FHQ
ICL202
KS24C020STF
EEPROM
ICL301
75855B
COMPARATOR
TP. VCOM
SWITCHING
QL103
KRC401
QL110
HN2A01FU
LED DRIVE
QL108
CPH3209
QL109
CPH3209
TL103
B43TG-1005
QL302
HN2C01FU
QL303
KTC4075
QL305
2SA1774-Q
DL303
KDS160
TP201
TP202
TP205
TP206
TP207
LL104 10uH
RL141 120
RL142 1K
CL157 10/10V
CL158 104
RL140 2.2K
RL136 2.7K/F
RL137 2.7K/F
CL148 223
CL150 223/3KV
LL115 10uH
LL109 150uH
CL161 104
CL160 22/10V
CL137 22/10V
CL138 104
LL304 10uH
CL104 104
CL316 10/10V
CL317 104
LL102 330uH
CL107 3.3/25V
CL102 104
SWL101
SWITCH-DET
LCD_MIRROR
LL307 330uH
CL331 10/16V
CL344 104
LL105 10uH
CL418 10/10V
CL319 10/10V
CL415 152
RL204 15K
CL416 2.2/16V
RL317 12K
RL321 100
RL322 100
RL323 100
RL205 10K
LL201 10uH
CL231 104
CL239 10/10V
CL210 4.7/10V
CL208 104
CL209 104
CL211 104
CL419 10/10V
RL306 1K
RL307 1K
RL308 1K
RL309 1K
RL310 8.2K
CL421 2.2/16V
CL422 104
RL201 10K
RL202 47K
RL203 47K
RL430 3.3K
RL431 3.3K
RL432 3.3K
TPL02
WHT
RL305 100K
RL301 18K
CL302 10/10V
RL304 1K
RL302 1K
RL303 5.6K
CL303 10/10V
CL332 3.3/16V
CL412 105
RL240 56K/F
RL242 56K/F
RL244 56K/F
CL240 22/7V
CL212 105
CL213 105
CL214 105
RL243 120K/F
RL245 120K/F
RL246 5.1K
RL247 5.1K
RL241 120K/F
RL248 5.1K
LL202 10uH
CL230 10/10V
CL417 2.2/16V
CL418 2.2/16V
CL401 10/16V
RL428 100
RL315 15K
RL316 20K
LL401 10uH
CL111 104
CL110 3.3/25V
CL101 104
RL417 100
RL418 100
RL419 100
RL420 100
RL421 100
RL422 100
RL423 100
RL424 100
RL425 100
RL426 100
RL427 100
RL311 100
RL312 100
RL320 000
RL319 000
RL313 100
RL433 000
RL434 000
RL435 000
RL314 100

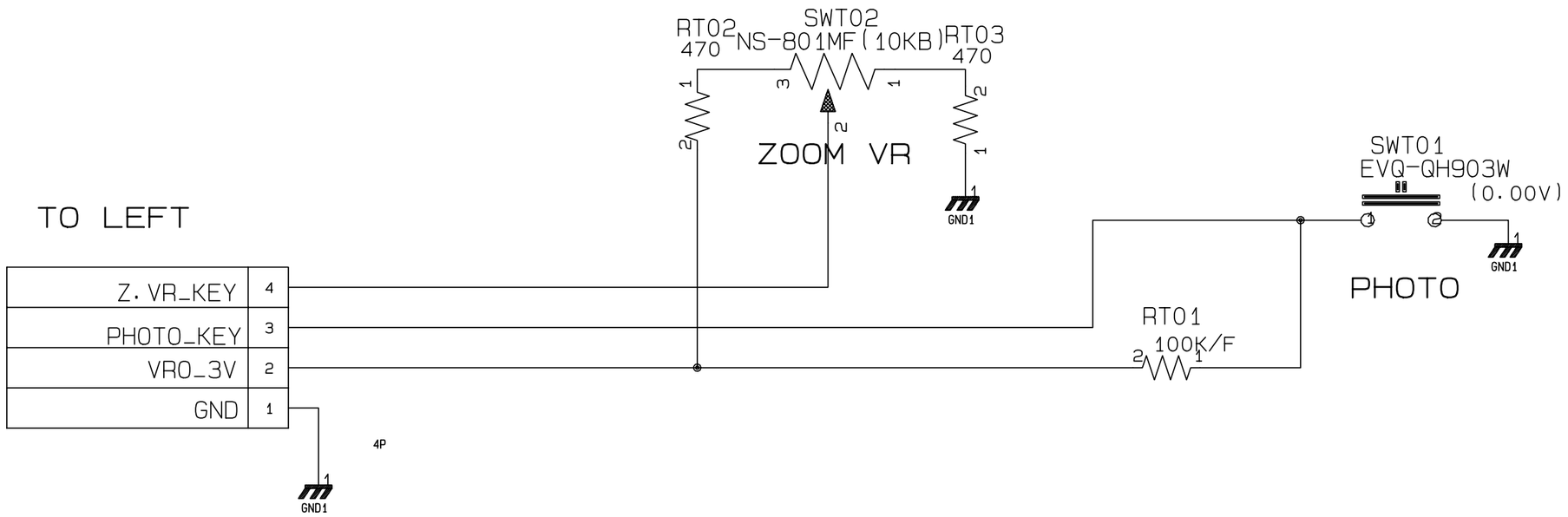
9-12 Sony LCD


CNL101
CONNECTOR
CSYNC
BL 5V
BL 5V
GND
GND
LCD-BL-ON
LCD.3V
LCD.12V
LCD_R-Y
LCD_Y
LCD_B-Y
OSD-R
OSD-G
OSD-B
GND
LCD/CVF-STB
LCD/CVF-DATA
LCD/CVF-CLK
LED-CTL
GND
LCD_MIRROR
GND
PVI_ONLY
PVI_ONLY
PVI_ONLY
PVI_ONLY
SWL01
5V
LED-CTL
BL5V
3V
BLCTL
STB
DATA
CLK
LED-CTL
ICL101
CXA3268AR
ICL202
KS24020STF
SWITCHING
QL101
KRC401
QL102
CPH3209
QL103
CPH3209
QL104
HN2A01FU
LED DRIVE
843T0-1005
TP1VCC
JUMPER
TP2GND
JUMPER
BL HOT
BL COLD
LED LED DRIVE
GND
CNL301
54548-2490
TO LCD
COM
3VF
12VF
PSIG_OUT
R
G
B
VDD6
CEXT/REXT
VSS6
VSS
DWN
EN
VCK
VST
TESTA
RST
HST
WIDE
SL.VSG
VDD6_15V
VDD_12V
TESTL

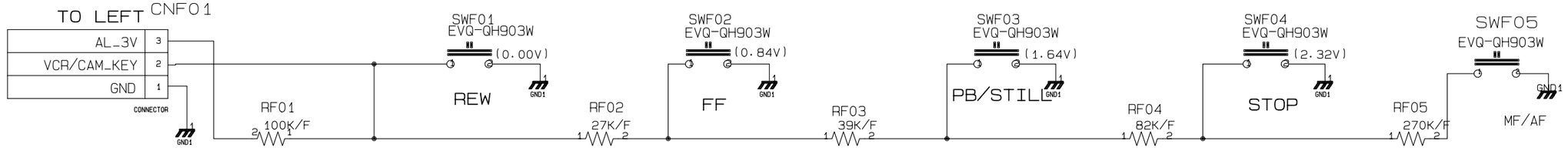
9-13 CCD


CNC02
CONNECTOR
1 ZB+
2 NC
3 ZA+
4 NC
5 ZB-
6 NC
7 ZA-
8 Z_LED
9 Z_VCC
10 Z_SEN
11 F_LED
12 F_VCC
13 F_SEN
14 NIGHT_GND
15 NIGHT_CTRL
16 DAMP+
17 DAMP-
18 DRIVE-
19 HALL_IN+
20 HALL_OUT+
21 HALL_IN-
22 HALL_OUT-
23 DRIVE+
24 FB+
25 FB-
26 FA-
27 FA+
CNC01
3955A-4044R
1 HALL_IN+
2 F_VCC
3 HALL_IN-
4 Z_SEN
5 DRIVE+
6 Z_LED
7 FB-
8 NIGHT_GND
9 FA+
10 DAMP+
11 DAMP-
12 DRIVE-
13 NIGHT_CTRL
14 HALL_OUT+
15 F_SEN
16 HALL_OUT-
17 F_LED
18 FB+
19 Z_VCC
20 FA-
21 ZA-
22 ZB+
23 ZB-
24 ZA+
25 V4
26 V3
27 V2
28 V1
29 H2
30 H1
31 RG
32 GND
33 GND
34 -7.5V
35 GND
36 Vout
37 15V
38 15V
39 GND
40 VSUB
ICC01
ICX280/281
1 V4
2 V3
3 V2
4 V1
5 GND
6 GND
7 Vout
14 TEST
13 H2
12 H1
11 VL
10 VSUB
9 RG
8 VDD
CC06 3.3/25
CC05 100nF
DC01 KDS160
CC03 100nF
CC04 2.2nF
RC03 100K
CC01 3.3/25
CC02 100nF
RC01 47
QC01 2SK1070
RC02 1.8K

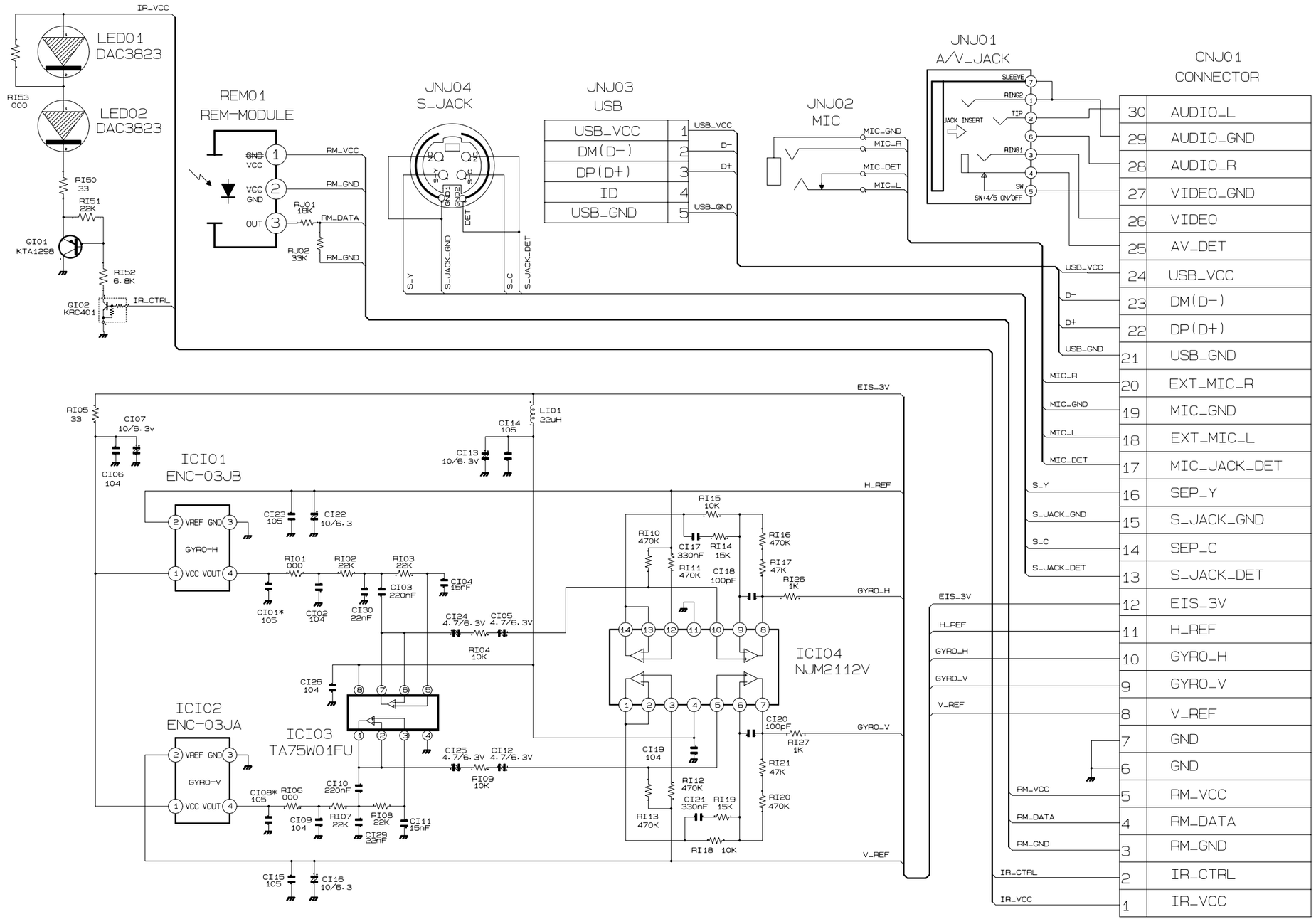
9-14 TOP BLOCK SCHEMATIC



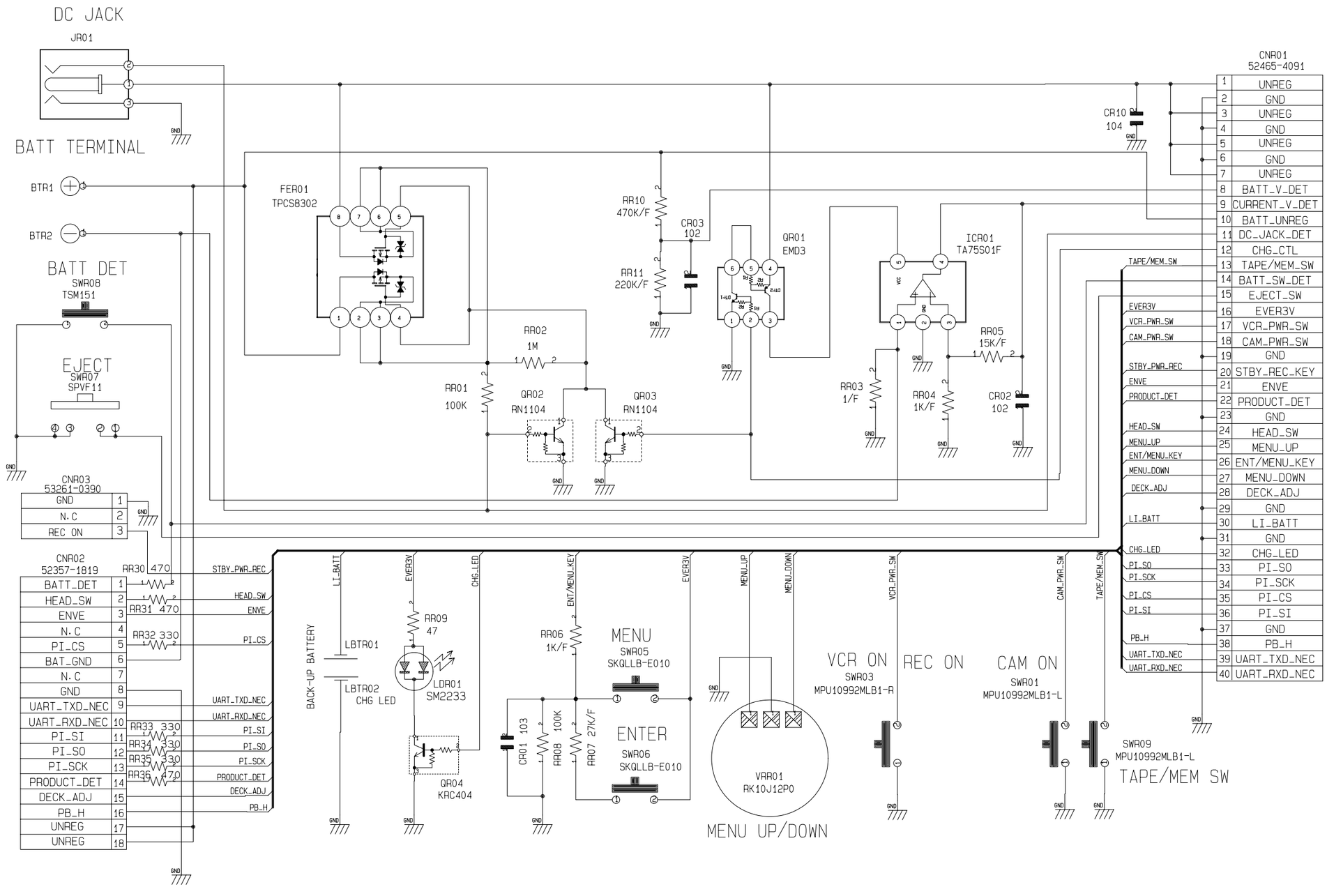
9-15 FUNCTION BLOCK SCHEMATIC



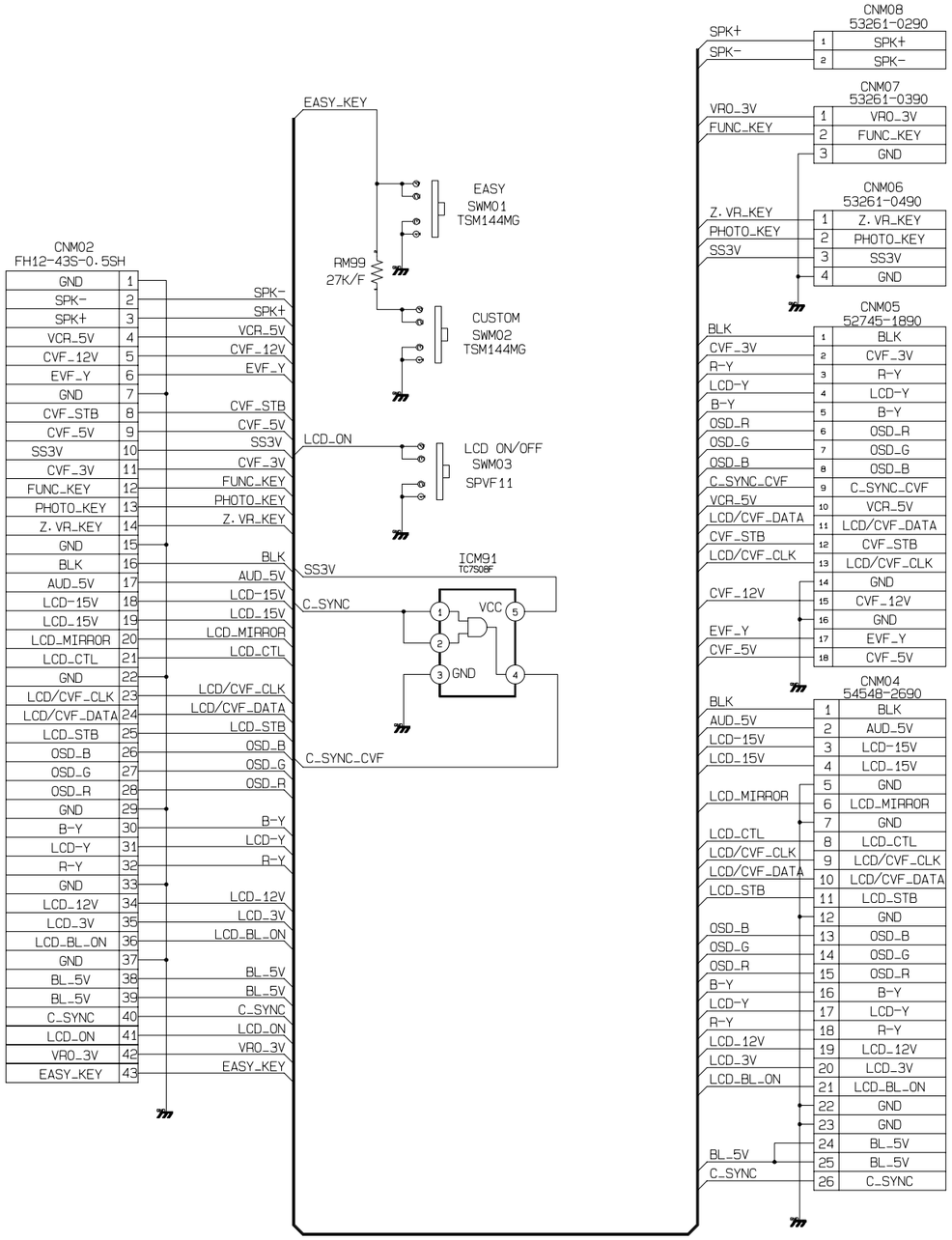
9-16 JACK


IR_VCC
LED01
DAC3823
RI53
000
LED02
DAC3823
RI50
33
RI51
22K
QI01
KTA1298
RI52
6.8K
QI02
KRC401
IR_CTRL
REM01
REM-MODULE
GND
VCC
VCC
GND
OUT
RM_VCC
RM_GND
RM_DATA
RM_GND
RJ01
1BK
RJ02
33K
JNJ04
S_JACK
S_Y
GND1
GND2
DET
S_C
S_JACK_GND
S_JACK_DET
JNJ03
USB
USB_VCC
DM(D-)
DP(D+)
ID
USB_GND
USB_VCC
D-
D+
USB_GND
JNJ02
MIC
MIC_GND
MIC_R
MIC_DET
MIC_L
JNJ01
A/V_JACK
SLEEVE
RING2
TIP
JACK INSERT
RING1
SW
SW:4/5 ON/OFF
CNJ01
CONNECTOR
30 AUDIO_L
29 AUDIO_GND
28 AUDIO_R
27 VIDEO_GND
26 VIDEO
25 AV_DET
24 USB_VCC
23 DM(D-)
22 DP(D+)
21 USB_GND
20 EXT_MIC_R
19 MIC_GND
18 EXT_MIC_L
17 MIC_JACK_DET
16 SEP_Y
15 S_JACK_GND
14 SEP_C
13 S_JACK_DET
12 EIS_3V
11 H_REF
10 GYRO_H
9 GYRO_V
8 V_REF
7 GND
6 GND
5 RM_VCC
4 RM_DATA
3 RM_GND
2 IR_CTRL
1 IR_VCC
EIS_3V
RI05
33
CI07
10/6.3v
CI06
104
LI01
22uH
CI14
105
CI13
10/6.3V
ICI01
ENC-03JB
VREF GND
GYRO-H
VCC VOUT
H_REF
CI23
105
CI22
10/6.3
RI01
000
RI02
22K
RI03
22K
CI04
15nF
CI01*
105
CI02
104
CI30
22nF
CI03
220nF
CI24
4.7/6.3V
CI05
4.7/6.3V
RI04
10K
RI15
10K
RI10
470K
CI17
330nF
RI14
15K
RI16
470K
RI11
470K
CI18
100pF
RI17
47K
RI26
1K
GYRO_H
ICI04
NJM2112V
CI26
104
ICI02
ENC-03JA
ICI03
TA75W01FU
VREF GND
GYRO-V
VCC VOUT
CI08*
105
RI06
000
CI10
220nF
CI09
104
RI07
22K
RI08
22K
CI11
15nF
CI29
22nF
CI25
4.7/6.3V
CI12
4.7/6.3V
RI09
10K
CI19
104
CI20
100pF
RI27
1K
GYRO_V
RI21
47K
RI12
470K
CI21
330nF
RI19
15K
RI20
470K
RI13
470K
RI18
10K
V_REF
CI15
105
CI16
10/6.3

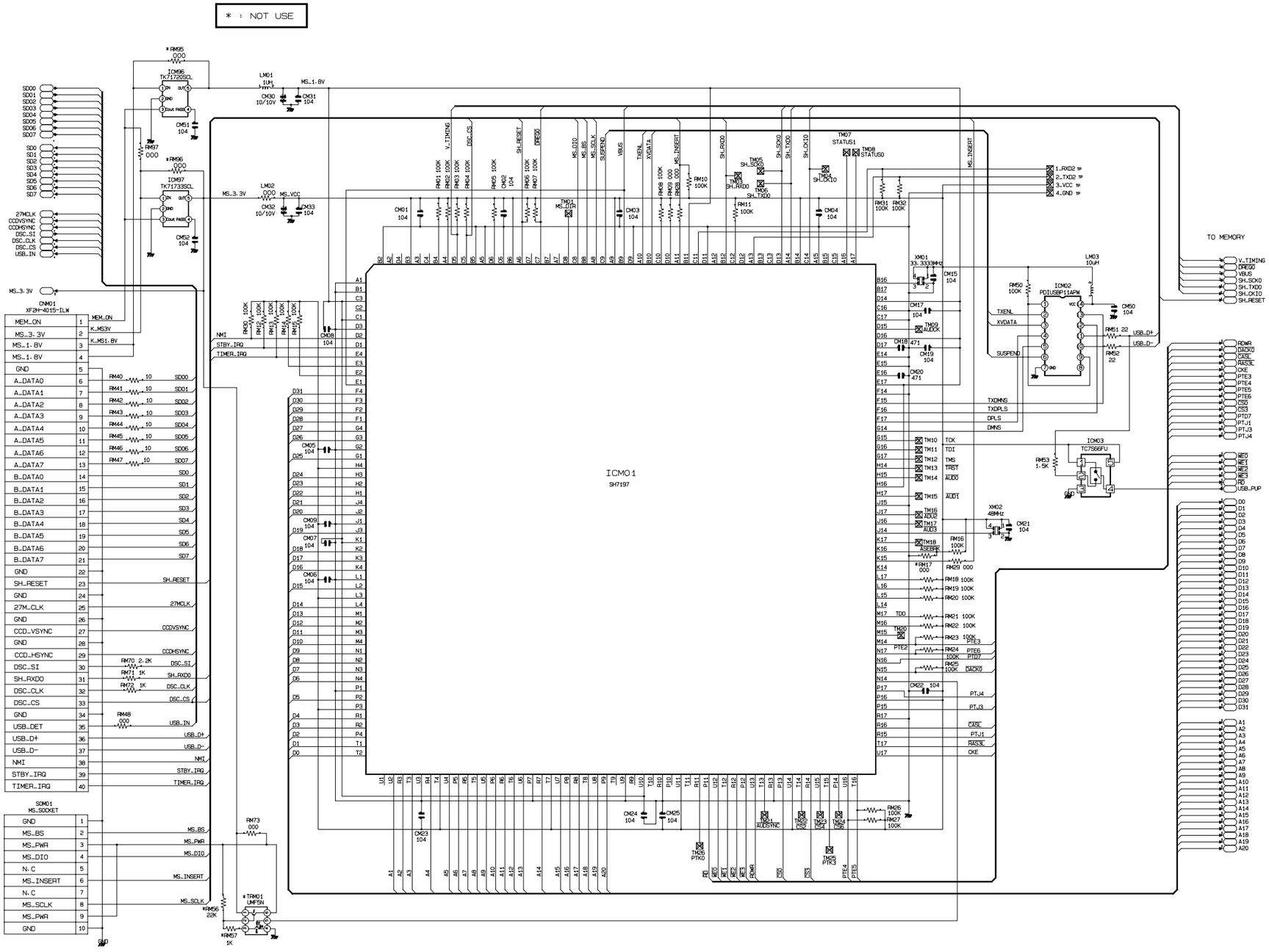
9-17 REAR


DC JACK
JR01
BATT TERMINAL
BTR1
BTR2
BATT DET
SWR08
TSM151
EJECT
SWR07
SPVF11
CNR03
53261-0390
GND
N.C
REC ON
CNR02
52357-1819
BATT_DET
HEAD_SW
ENVE
N.C
PI_CS
BAT_GND
N.C
GND
UART_TXD_NEC
UART_RXD_NEC
PI_SI
PI_SO
PI_SCK
PRODUCT_DET
DECK_ADJ
PB_H
UNREG
UNREG
RR30 470
RR31 470
RR32 330
RR33 330
RR34 330
RR35 330
RR36 470
STBY_PWR_REC
HEAD_SW
ENVE
PI_CS
UART_TXD_NEC
UART_RXD_NEC
PI_SI
PI_SO
PI_SCK
PRODUCT_DET
DECK_ADJ
PB_H
FER01
TPCS8302
RR01
100K
RR02
1M
QR02
RN1104
QR03
RN1104
RR10
470K/F
RR11
220K/F
CR03
102
QR01
EMD3
ICR01
TA75S01F
RR03
1/F
RR04
1K/F
RR05
15K/F
CR02
102
CR10
104
CNR01
52465-4091
1 UNREG
2 GND
3 UNREG
4 GND
5 UNREG
6 GND
7 UNREG
8 BATT_V_DET
9 CURRENT_V_DET
10 BATT_UNREG
11 DC_JACK_DET
12 CHG_CTL
13 TAPE/MEM_SW
14 BATT_SW_DET
15 EJECT_SW
16 EVER3V
17 VCR_PWR_SW
18 CAM_PWR_SW
19 GND
20 STBY_REC_KEY
21 ENVE
22 PRODUCT_DET
23 GND
24 HEAD_SW
25 MENU_UP
26 ENT/MENU_KEY
27 MENU_DOWN
28 DECK_ADJ
29 GND
30 LI_BATT
31 GND
32 CHG_LED
33 PI_SO
34 PI_SCK
35 PI_CS
36 PI_SI
37 GND
38 PB_H
39 UART_TXD_NEC
40 UART_RXD_NEC
BACK-UP BATTERY
LBTR01
LBTR02
CHG LED
RR09
47
LDR01
SM2233
QR04
KRC404
RR06
1K/F
CR01 103
RR08 100K
RR07 27K/F
MENU
SWR05
SKQLLB-E010
ENTER
SWR06
SKQLLB-E010
VRR01
RK10J12P0
MENU UP/DOWN
VCR ON
REC ON
SWR03
MPU10992MLB1-R
CAM ON
SWR01
MPU10992MLB1-L
SWR09
MPU10992MLB1-L
TAPE/MEM SW
LI_BATT
EVER3V
CHG_LED
ENT/MENU_KEY
EVER3V
MENU_UP
MENU_DOWN
VCR_PWR_SW
CAM_PWR_SW
TAPE/MEM_SW

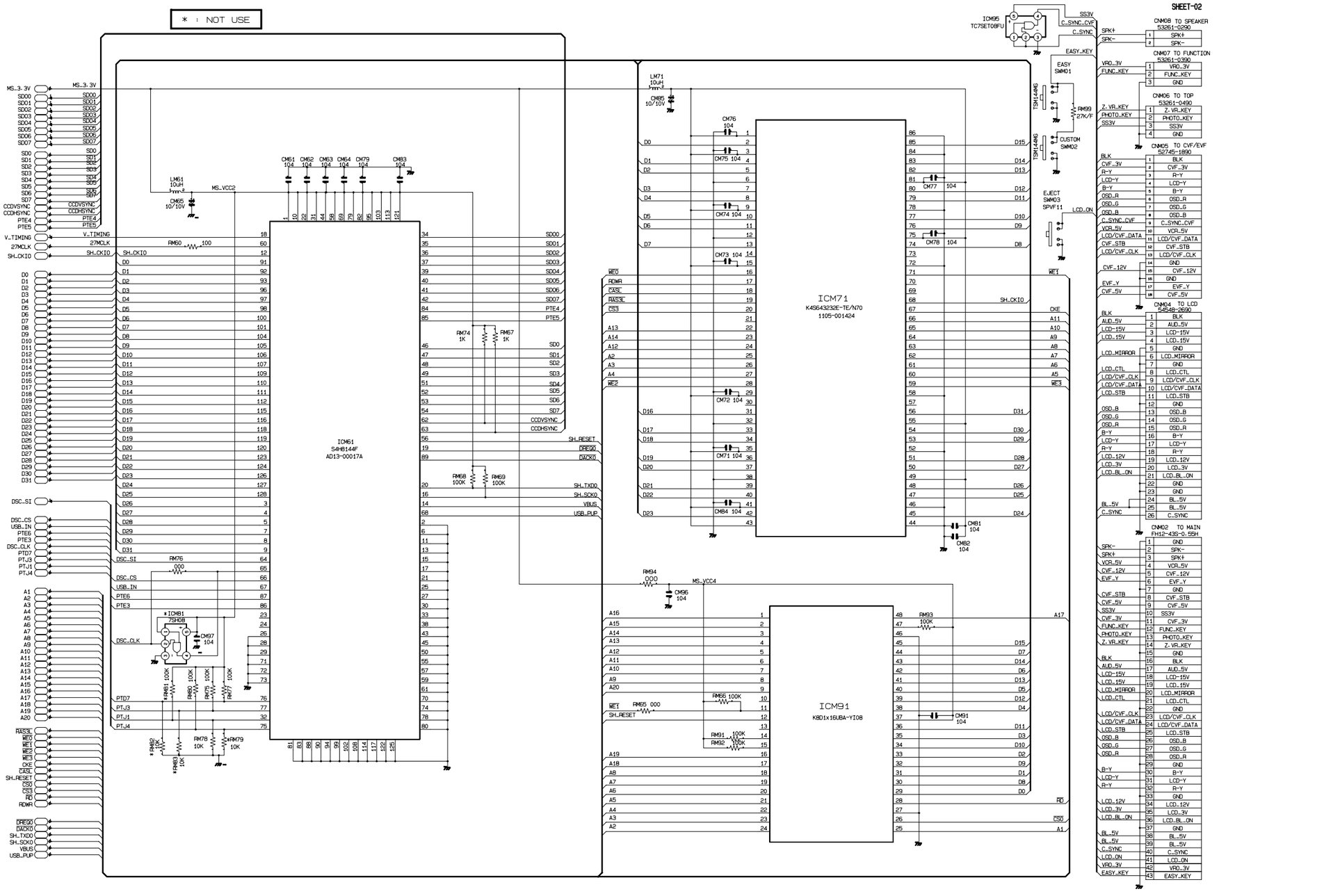
9-18 LEFT


CNM02
FH12-43S-0.5SH
GND 1
SPK- 2
SPK+ 3
VCR_5V 4
CVF_12V 5
EVF_Y 6
GND 7
CVF_STB 8
CVF_5V 9
SS3V 10
CVF_3V 11
FUNC_KEY 12
PHOTO_KEY 13
Z.VR_KEY 14
GND 15
BLK 16
AUD_5V 17
LCD-15V 18
LCD_15V 19
LCD_MIRROR 20
LCD_CTL 21
GND 22
LCD/CVF_CLK 23
LCD/CVF_DATA 24
LCD_STB 25
OSD_B 26
OSD_G 27
OSD_R 28
GND 29
B-Y 30
LCD-Y 31
R-Y 32
GND 33
LCD_12V 34
LCD_3V 35
LCD_BL_ON 36
GND 37
BL_5V 38
BL_5V 39
C_SYNC 40
LCD_ON 41
VRO_3V 42
EASY_KEY 43
EASY_KEY
EASY
SWM01
TSM144MG
RM99
27K/F
CUSTOM
SWM02
TSM144MG
LCD_ON
LCD ON/OFF
SWM03
SPVF11
ICM91
TC7S08F
SS3V
C_SYNC
VCC
GND
C_SYNC_CVF
SPK-
SPK+
VCR_5V
CVF_12V
EVF_Y
CVF_STB
CVF_5V
SS3V
CVF_3V
FUNC_KEY
PHOTO_KEY
Z.VR_KEY
BLK
AUD_5V
LCD-15V
LCD_15V
LCD_MIRROR
LCD_CTL
LCD/CVF_CLK
LCD/CVF_DATA
LCD_STB
OSD_B
OSD_G
OSD_R
B-Y
LCD-Y
R-Y
LCD_12V
LCD_3V
LCD_BL_ON
BL_5V
BL_5V
C_SYNC
LCD_ON
VRO_3V
EASY_KEY
CNM08
53261-0290
SPK+ 1 SPK+
SPK- 2 SPK-
CNM07
53261-0390
VRO_3V 1 VRO_3V
FUNC_KEY 2 FUNC_KEY
3 GND
CNM06
53261-0490
Z.VR_KEY 1 Z.VR_KEY
PHOTO_KEY 2 PHOTO_KEY
SS3V 3 SS3V
4 GND
CNM05
52745-1890
BLK 1 BLK
CVF_3V 2 CVF_3V
R-Y 3 R-Y
LCD-Y 4 LCD-Y
B-Y 5 B-Y
OSD_R 6 OSD_R
OSD_G 7 OSD_G
OSD_B 8 OSD_B
C_SYNC_CVF 9 C_SYNC_CVF
VCR_5V 10 VCR_5V
LCD/CVF_DATA 11 LCD/CVF_DATA
CVF_STB 12 CVF_STB
LCD/CVF_CLK 13 LCD/CVF_CLK
14 GND
CVF_12V 15 CVF_12V
16 GND
EVF_Y 17 EVF_Y
CVF_5V 18 CVF_5V
CNM04
54548-2690
BLK 1 BLK
AUD_5V 2 AUD_5V
LCD-15V 3 LCD-15V
LCD_15V 4 LCD_15V
5 GND
LCD_MIRROR 6 LCD_MIRROR
7 GND
LCD_CTL 8 LCD_CTL
LCD/CVF_CLK 9 LCD/CVF_CLK
LCD/CVF_DATA 10 LCD/CVF_DATA
LCD_STB 11 LCD_STB
12 GND
OSD_B 13 OSD_B
OSD_G 14 OSD_G
OSD_R 15 OSD_R
B-Y 16 B-Y
LCD-Y 17 LCD-Y
R-Y 18 R-Y
LCD_12V 19 LCD_12V
LCD_3V 20 LCD_3V
LCD_BL_ON 21 LCD_BL_ON
22 GND
23 GND
BL_5V 24 BL_5V
BL_5V 25 BL_5V
C_SYNC 26 C_SYNC

9-19 Memory Stick 1



9-20 Memory Stick 2



MEMO